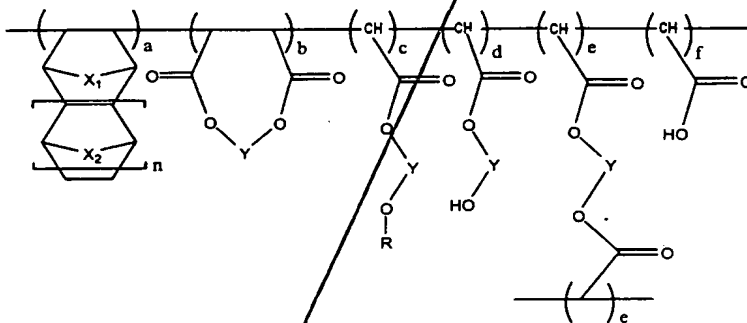


In the Claims:

Please amend claims 1, 4 and 7, as follows:

1. (Amended) A photoresist polymer comprising a repeating unit of following formula 1:

Formula 1



wherein, X<sub>1</sub> and X<sub>2</sub> are independently selected from the group consisting of CH<sub>2</sub>, CH<sub>2</sub>CH<sub>2</sub>, O and S;

Y is C<sub>1</sub>-C<sub>10</sub> alkylene or alkylene comprising an ether linkage;

R is an acid labile protecting group;

n is an integer from 0 to 2; and

a : b : c : d : e : f is in the range of 20-40mol% : 0-20mol% : 20-70mol% : 0-30mol% : 0-20mol% : 0-20mol%.

4. (Amended) A process for preparing a photoresist polymer comprising:

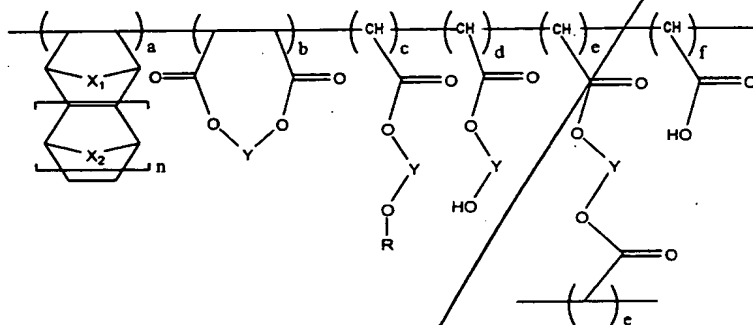
(a) polymerizing a compound of Formula 5 with maleic anhydride to obtain a polymer of Formula 2;

(b) reacting the polymer of Formula 2 with a diol compound of Formula 4 to obtain a polymer of Formula 3; and

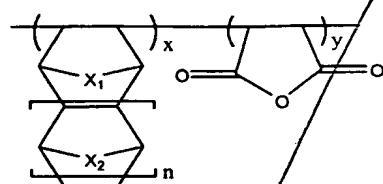
(c) reacting the polymer of Formula 3 with a compound having an acid labile protecting group to obtain a polymer of Formula 1 where a hydroxyl group is partially protected.

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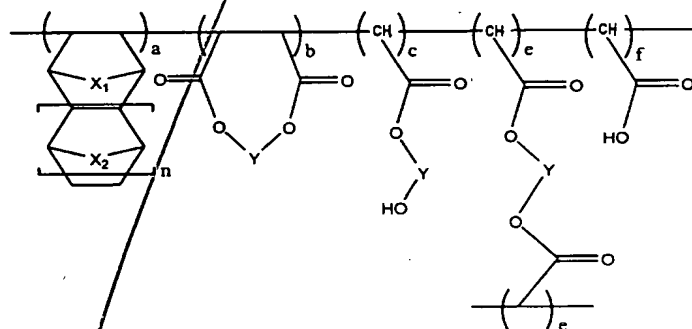
Formula 1



Formula 2



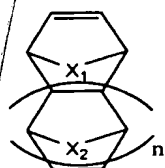
Formula 3



Formula 4

OH-Y-OH

Formula 5



wherein,  $X_1$  and  $X_2$  are independently  $CH_2$ ,  $CH_2CH_2$ , O or S;  
Y is  $C_1$ - $C_{10}$  alkylene or alkylene comprising an ether linkage;  
R is an acid labile protecting group;

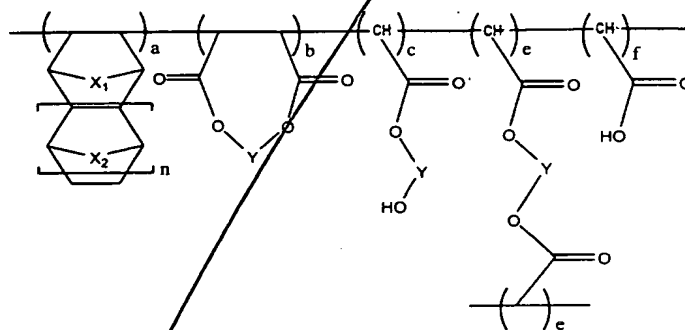
A3  
B2

n is an integer from 0 to 2;  
in Formula 1, a : b : c : d : e : f is in the range of 20-40mol% : 0-20mol% : 20-70mol% : 0-30mol% : 0-20mol% : 0-20mol%;  
in Formula 2, x : y is in the range of 20-40mol% : 60-80mol%; and  
in Formula 3, a : b : c : e : f is in the range of 20-40mol% : 0-20mol% : 20-80mol% : 0-20mol% : 0-20mol%.

A4  
Sub B3

7. (Amended) An intermediate compound represented by following Formula 3, which is used to prepare the repeating unit of claim 1.

Formula 3



wherein,  $X_1$  and  $X_2$  are independently  $CH_2$ ,  $CH_2CH_2$ , O or S;  
Y is  $C_1$ - $C_{10}$  alkylene or alkylene comprising an ether linkage;  
n is an integer from 0 to 2; and  
a : b : c : e : f is in the range of 20-40mol% : 0-20mol% : 20-80mol% : 0-20mol% : 0-20mol%.

#### REMARKS

This paper is filed in response to the office action mailed on November 20, 2002.

This application, serial number 09/884,313 was filed on June 19, 2001 and claimed priority to Korean application serial number 2000-34103, filed June 21, 2000. A certified copy of the Korean priority document was submitted upon filing of this application. A verified English translation of the priority document is submitted herewith. Accordingly, the priority claim of June 21, 2000 has been perfected.

The office action objects to the specification as allegedly not describing Fig. 1 in specific detail. In response, the specification at page 8, lines 14-25 has been amended to traverse this objection.